

PROCEEDINGS OF THE  
ROYAL ENTOMOLOGICAL SOCIETY  
OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 11.

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ANNUAL MEETING

WEDNESDAY, 15TH JANUARY, 1947, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 4th December, 1946.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. Announcement of election of Officers and Council for 1947.
5. Additions to the Library.

*Presented.*

Curran, C. H. : *Insects of the Pacific World*. 8vo. New York, 1945.  
[Dr. A. D. Imms, F.R.S.]

Pavlovskii, E. N. : *Manual of human parasitology with a discussion of the theory of the vectors of transmissible diseases*. [In Russian.] 5th edition. 4to. Moscow, 1946. [Academy of Sciences, Leningrad.]

*Purchased.*

Boyd, A. W. : *The country diary of a Cheshire man*. 8vo. London, 1946.

In addition, separates have been presented by Dr. R. Verity, Mr. A. R. Hill, Dr. A. D. Imms, F.R.S., Prof. F. Silvestri, Commander Malcolm Cameron, R.N., Mr. Melvin E. Griffith, Captain E. Rivenhall Goffe, Dr. D. Keilin, Dr. A. Zerkowitz, and the American Entomological Society.

6. Admission of Fellows.
7. Council's Report.
8. Treasurer's Report and Balance Sheet.
9. The President's Address :

*Some remarks on Mimicry, with especial reference to the Nymphaline Butterfly Pseudacraea eurytus L.*

10. Vote of thanks to the Officers.

If circumstances permit tea will be served in the Library before the meeting.

**NOTICE.**

A card index of Fellows' addresses arranged on a geographical basis is now available for the use of Fellows in the Society's Rooms. Addresses in Great Britain are grouped under counties; elsewhere under Dominions, Colonies, Foreign States, etc.

*Correction.*

The reference to Dr. Wigglesworth's comments (*Proc. R. ent. Soc. Lond.* (C) 11 : 37) on Dr. Pradhan's communication to the meeting held on 6th November, 1946, entitled "Biograph and Biometer" is misleading. Dr. Wigglesworth actually wished to point out that the usual method of thermal summation is based on the assumption that there is a straight-line relationship between temperature and rate of development. Since it is well known that in many insects there are wide departures from this straight-line relationship, even within normal temperature limits, he considered it an unscientific procedure. Dr. Pradhan's method was based on the true relation between temperature and developmental rate as determined experimentally, and to that extent his method represented a real advance.

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PROCEEDINGS OF THE GENERAL MEETING HELD ON 4TH DECEMBER, 1946.

Dr. C. B. WILLIAMS, M.A., Vice-President, in the Chair.

Present, 63 Fellows and 12 Visitors.

The minutes of the meeting held on 20th November, 1946, were confirmed, and signed by the President.

The names of the following candidates for election were read :—

For the first time : P. A. D. Lanktree, G. Morcos, L. R. Natvig, and A. H. Parker, B.Sc.

For the second time : G. C. Taylor, M.Sc., B.Agric., A.I.C.T.A., E. Dearing, B.Sc., and W. Urton.

The Secretary read the names of the following newly elected Fellows of the Society : Salak El Din Aboulnasr, Dept. of Zoology, Downing Street, Cambridge; J. H. Armitt, 79, Sarehole Road, Hall Green, Birmingham 28; E. Barnett, 64, Whitworth Road, South Norwood, S.E.25; K. Shallcross Dickinson, M.R.C.S., L.R.C.P., Ph.C., Arnold House, Arnold, Notts.; Montague Niblett, 10, Greenway, Wallington, Surrey; Rajindar Pal, Department of Entomology, London School of Hygiene & Tropical Medicine, Gower Street, W.C.1; T. Spence, M.R.C.V.S., Ministry of Agriculture & Fisheries, Veterinary Laboratory, Weybridge, Surrey; P. Vayssi re, Museum National D'Histoire Naturelle, 57, Rue Cuvier, Paris (Ve), France.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. J. W. Amery, Dr. Rajindar Pal, Mr. P. J. Rennie, and Mr. S. El Din Aboulnasr signed the Obligation Book and were admitted Fellows of the Society.

The Secretary read for the second time the nominations for Officers and Council for 1947.

Communications were made by Dr. J. W. Evans and Mr. G. Talbot (on behalf of Mr. C. Cripps), abstracts of which appeared on pp. 40–41. Dr. C. B. Williams, Mr. C. N. Hawkins, Professor P. A. Buxton, F.R.S., Dr. O. W. Richards, Dr. B. P. Uvarov, Dr. H. E. Hinton, and Dr. D. L. Gunn, took part in the discussion following Dr. Evans' talk.

In addition Mr. A. J. Musgrave exhibited two insects associated with the leather industry :—

(1) *Ptinus tectus* attacking vegetable-tanned Brazilian sole leather. The damage took the form of extensive tunnelling which appeared to have been done by the larvae prior to pupation, as a number of cocoons were present. After arrival in this country the leather was stored for four months in Lancashire, and then transferred to London where the damage was first noticed. *Ptinus tectus* has been previously recorded damaging leather.

(2) Larvae identified as ANISOPIDAE (Diptera Nematocera) recently picked off a wet partly processed skin sent from Llangollen. This appears to be a new record.

Mr. Riley exhibited some living Embioptera just received from the Gold Coast. Mr. J. Bowden, who had sent these insects, wrote that they had been collected in the grounds of his bungalow at Kumasi on 17th November. They



were gregarious and had covered the base of a tree from the ground to a height of 4 feet with a continuous web of silk. There were definite foci within the network, mainly at large cracks in the bark and at a hole caused by the falling off of a branch. The females were found almost solely in a concentration of leaf debris in a fork about 4 feet above ground. This fork and the hole faced east; on the west side of the trunk near its base Mr. Bowden found the winged males and about 50% of the immature males, but only one female. He suggested that this east-west division might be due to the fact that the west side received a small amount of direct sun in the afternoon, whereas the east side was shaded all day. The tree was in a small glade, sheltered from heavy rain and strong wind, and also from any very strong sunlight. The galleries in the webbing, especially on the west side, contained very large numbers of ants. Mr. Kimmins had been unable to determine these Embioptera with certainty, but had found them to be closely related to *Rhagadochir vosseleri* Enderlein, which occurs in Tanganyika; he thought they probably represented an undescribed species.

N. D. RILEY, *Hon. Secretary.*

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#### ADMISSION OF FELLOWS.

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-Laws and attends the meeting on 15th January, 1947, is requested to inform the Society before 5.15 p.m. on that date.

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The Next Meeting will be held on Wednesday, 5th February, 1947, at 5.30 p.m.